

Omni-directional Outdoor LoRa antenna kit – 5dBi

This outdoor waterproof LoRa antenna benefits from light weight, DC short lightening protection and can operate in all conditions like strong wind resistance.

The 5dBi dual band antenna is suitable for most of the LoRaWAN deployments.

The antenna is provided with a radome pole mounting kit, a 1-meter coaxial cable and two waterproof tapes to prevent the connectors from oxidation.



Antenna specifications

KLK03195

Frequency range	860MHz - 930MHz
Impedance	50 ohms
Technology	Collinear dipole array
VSWR	<2.0:1
Max gain	>5dBi
Efficiency	>65%
Polarization	Vertical
Vertical Beam width	22°
Power handling	50W
DC ground	Yes
Whip material	Pultruded Fiberglass
Connector	N female
Length	812mm
Weight	275g
IP rating	IP67
Wind resistance	200 km/h or 125 mph
Operating temperature range	-40°C to +85°C

Bracket specifications

KLK03921

Mounting type	Pole with U bolts Diameter 25.4mm to 54mm
Length	129.4mm
Weight	231g
Material	Bracket: aluminum ADC12 Clamps: stainless steel

Coaxial cable specifications

KLK02460

Coaxial reference	LMR195
Cable length	1 meter
Cable connectors	N male (x2)
Cable insertion losses@900MHz	<0.5dB
IP rating	IP68

Self-amalgamating tapes

KLK03446 (x2)

Material	Silicon
Length / width / thickness	200mm / 25mm / 500um
Elongation at break	750%
Tensile strength	33N/cm

Document Version:

1.0

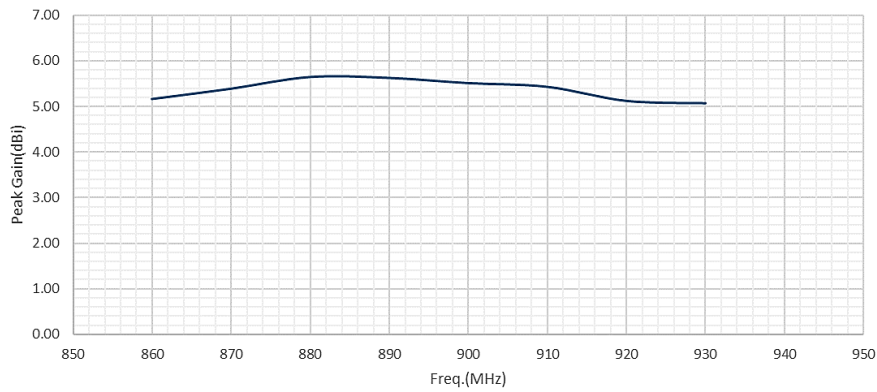
Updated:

25-Aug-2025

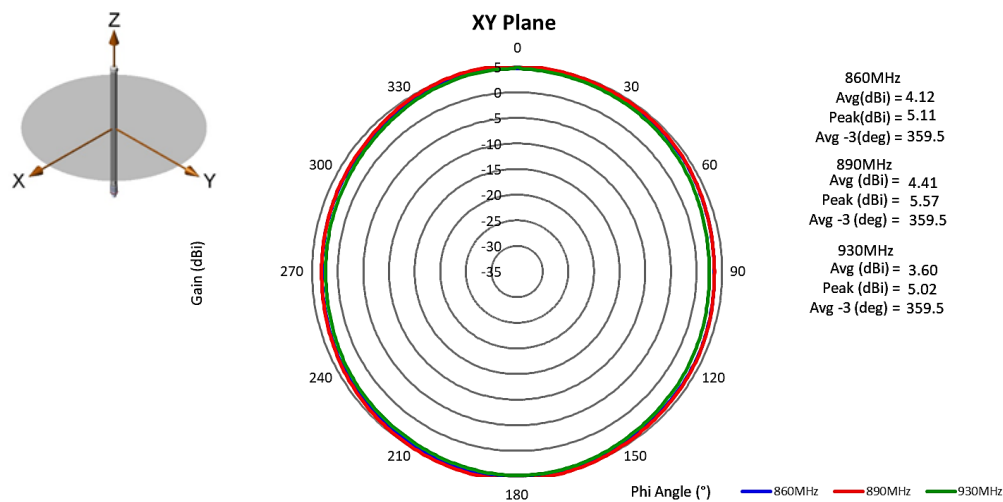
- Responsibility for the information and views set out in this document lies entirely with the manufacturer. Kerlink can't be held responsible for the exactness of information contained therein.
- Accessories are not covered by the maintenance nor warranty extension offers.
- The standard, legal manufacturer's warranty is 1 year.

Omni-directional Outdoor LoRa antenna kit – 5dBi

Peak gain vs. frequency:



Radiation patterns in horizontal plane:



Radiation patterns in vertical plane:

